

# FOLIO

UNIVERSITY OF ALBERTA  
10 APRIL 1992



## INSIDE

- U of A Senator Brian Heidecker attuned to Bank of Canada
- Family Studies' guests speak openly about AIDS
- Team play characterizes Alberta's transfer system

## Steam turbine generator to be installed in heating plant

### Large savings anticipated

The Board of Governors, at its regular meeting 3 April, approved the expenditure of up to \$5 million for the supply and installation of a steam turbine generator in the heating plant.

The generator is expected to reduce electrical power costs to the University, provide back-up generating capacity during unplanned power disruptions, and bring about more efficient use of energy in the system.

According to Vice-President (Finance and Administration) Glenn Harris, the generator will reduce utility costs by about \$1 million per year. This is a direct loss of revenue to Edmonton Power, he acknowledged.

Reg MacDonald, Chair of the Board Building Committee, said the installation of the steam turbine generator is in the University's best interest and will result in quite substantial savings.

"Our associates, the University of Alberta Hospitals, the Cross Cancer Institute, the Red Cross Clinic and the Northern Alberta Children's Hospital are all supportive of the position we have taken and have encouraged us to proceed with our own cogeneration system and not become involved with Edmonton Power's District Energy System," Harris outlined in correspondence for Board members.

"We are confident that, given the intensive studies and reviews, we should proceed to

install a 10 MW cogeneration system. We still are Edmonton Power's biggest customer and we are willing to investigate alternatives which will be mutually beneficial. In the meantime, we must take the steps necessary to minimize the costs of providing energy through our own utilities system."

University participation in a proposal by Edmonton Power for a District Energy System was not in the University's best interest, consultants concluded. "Using conservative assumptions, provided by our consultants, the district energy proposal could generate a loss of \$1.6 million for the University in the first 10 years," the Vice-President said. "In contrast, a University-owned cogeneration system would generate \$13.8 million in savings over 20 years (NVP), and would pay off its \$5 million investment within five years."

In 1990-91, the electrical consumption in the greater campus area was 250 million kilowatt hours. Costs are expected to climb. However, by using a combined cycle where some by-product power is generated in conjunction with heating, the costs of producing power are substantially lower than they are for power produced by large mega-project plants.

The generator is not expected to be installed until the end of 1993.

Photo Services



## Rent increases lowered in response to students' concerns

### Average hike will be 2.98 percent; 4.25 percent had been proposed

The Board of Governors has approved average rent increases of 2.98 percent for the University's residences. The average rent increase for Michener Park will be 1.49 percent.

The Board delayed a decision on the rent increases last month until it had heard from students. Bill Grace, Chair of the Board Finance Committee, told the full Board that the committee was impressed by the quality of the presentations. (The Board met 3 April at the Edmonton Public School Board's Centre for Education.)

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**The University wants its residences to be operated on a break-even basis, and at the same time it is making an effort to get more money into student aid.**

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Housing and Food Services had originally proposed average rent increases of 4.25 percent. It was directed by the Board Finance Committee to come up with new proposals. Those new proposals basically cut the rent increases in half and bring the University residences more in line with market rates, Grace said. He also noted that the Board Finance Committee would be doing an independent market survey of rental units in the area.

Vice-President (Student and Academic Services) Lois Stanford said the rent increases could not be lowered any further without

compromising the Housing and Food Services mandate to be self-sustaining. She could not promise there wouldn't be additional rent increases next year.

Dr Stanford said the University will have to be prepared to keep the residences in good repair if it wants to continue charging rents which are close to market rates.

Student and Board member Jody Wilson said the University seems to have reached the saturation point. If it raises the rents much higher, it will only mean higher vacancy rates, she warned. The Housing and Food Services 1992-93 budget will include no rent increases for the two-bedroom row houses, in an effort to bring down the high vacancy rate in those units. Graduate Students' Association President Steve Karp said it makes little sense to increase rents in a period of low demand.

The University is adopting a new approach, said President Paul Davenport. It wants its residences to be operated on a break-even basis, and at the same time it is making an effort to get more money into student aid.

Board member Jake Superstein said in the longer term the University should not be in the housing and food businesses. They don't belong at a university, he said.

The average rent increase for Faculté Saint-Jean will be two percent and average increases for Pembina Hall and Lister Hall will be four percent. Students living in HUB International will see their rents rise by 3.10 percent. Rent in Garneau will increase by 1.57 percent.

## FOCUS on Abilities impresses in Canada and south of the border

**FOCUS on Abilities**, a publication of Career and Placement Services (CaPS), has been selected to receive the College Placement Council of the United States 1992 Award of Excellence. The award is given in recognition of excellence in career planning and employment publications designed for students.

The main target audience for **FOCUS on Abilities** has been the disabled university student seeking work. "Since its publication and distribution on-campus, we experienced increased use of our office's career and recruitment services by disabled students and increased referral of students with disabilities to our office by faculty and staff," says CaPS Director Wendy Coffin.

She says other educational institutions are asking for copies and the publication has been requested as a resource document by private

*CaPS Director Wendy Coffin is justifiably proud of FOCUS on Abilities.*

and public career centres and employers across Canada.

**FOCUS on Abilities** is the eighth publication in the FOCUS series which is written and published by CaPS. The first seven editions concern job search and career paths in specific disciplines (**FOCUS on Engineering** won the College Placement Council Award in 1988). "**FOCUS on Abilities**," Coffin indicates, "differs significantly from these editions in that it focuses on the special challenges facing a person who has 'disabilities'."

**Folio will not publish Good Friday, 17 April.**

Copy and advertisements for the 24 April issue must reach the Office of Public Affairs by 3 pm, 15 April.

## REPLENISHMENT OF GFC STANDING COMMITTEES, 1992-93

The terms of office of a number of staff members serving on GFC standing committees, and on bodies with membership elected by GFC, will expire on 30 June 1992. The GFC Nominating Committee soon will be seeking replacements for these members and wishes to inform the University community that vacancies will occur on the following committees/bodies:

Academic Appeals Committee  
(Regular and Alternate Members)  
Academic Development Committee  
Campus Law Review Committee  
Committee for the Improvement of  
Teaching and Learning  
Committee on Admissions and Transfer  
Conference Funds Committee  
Council on Student Life  
Department Chair Selection Committee:  
Panel of Members  
Executive Committee (Nominees must be  
GFC Members)  
Facilities Development Committee  
General Salaries and Promotions Committee  
Library Committee  
Planning and Priorities Committee  
Special Sessions Committee  
The Senate (Nominees must be  
GFC Members)  
Undergraduate Awards and Scholarship  
Committee  
Undergraduate Teaching Awards Committee  
University Appeal Board (Regular and  
Alternate Members)  
Universities Coordinating Council  
University Professorships Selection  
Committee  
The GFC Nominating Committee invites  
nominations for these positions. All nominations,  
or expressions of interest, should be accom-  
panied by a brief biographical sketch and  
be directed to the Coordinator, GFC Nominat-  
ing Committee, 2-5 University Hall (492-4715).

## Mexican economist says NAFTA will be good for all three countries

**I**t's better to have partners than creditors," says Oscar Vera, Director General for the Centre of Economic Studies for the Private Sector. And a developing country like Mexico must have access to capital, he said.

Addressing a forum sponsored by the Centre for International Business Studies, Dr Vera said Mexico is looking for a free trade agreement with the United States for many of the same reasons Canada sought a deal with the United States. He said Mexico wants secure market access, secure sources of long-term capital and long-term economic strategic commitments.

Dr Vera, a consultant to the Office of Economic Advisor to the Mexican President, said Mexico expects to gain investment and economic growth as a result of signing a free trade agreement with Canada and the United States. The country also expects to improve its industrial competitiveness.

But the consequences will also extend into non-economic realms of the country, he said. For example, the education system in the country is seen by everyone to be crucial to Mexico's long-term economic interests. And protectionist regulatory regimes are being examined and dismantled, he said, citing the trucking industry as an example.

There will be tradeoffs, however. Mexico will lose part of its domestic market to foreign companies and the country will be more closely tied to American economic cycles, he said. "We'll no longer be able to set our own economic policy independent of the US."

There is a perception, he acknowledged, that Mexico will compete on the basis of cheap labour. But there is a debate going on within Mexico on whether wages are rising too fast, and sooner or later wage gaps between Mexico and the other two free trade partners will disappear, Dr Vera said. He also pointed out that



Oscar Vera, director general of an organization equivalent to the Conference Board of Canada.

any analysis has to account for the more comprehensive unit labour costs.

Asked about the possibility of an erosion of sovereignty as a result of a free trade agreement, Dr Vera said Mexicans know all too well what it's like to be a debtor nation. Without a strong economy, the country will remain dependent on the World Bank and the United States. "The best way to maintain sovereignty is to have a strong economy."

Commenting on income distribution, Dr Vera said there was tremendous inflation in the first half of the '80s. The poor lost purchasing power and the wealthy were able to invest as a hedge against inflation.

The rate of population growth has gone from 3.5 percent to 1.8 percent in the last decade and the Mexican population is expected to stabilize around the year 2010, Dr Vera informed the audience. Meanwhile, the government is providing free contraception and, through the education system, attempting to influence family size.

Fred Judson (Political Science) pointed out that three-quarters of the Mexican population, roughly 60 million people, would likely remain marginalized and disaffected for the foreseeable future. Dr Vera said that was a valid point. "The key long-term issue for Mexico is to avoid becoming a country like India, a stable democracy with tremendous economic disparity."

## 'WORKING SAFELY WITH BIOHAZARDS'

Of interest to University of Alberta technologists and technicians who work with biohazards will be the training course entitled "Working Safely with Biohazards." The 10-session course runs on 27 and 29 April; 6, 13, 20 and 27 May; and 3, 10, 15 and 17 June. Each session is scheduled from 9 to 11:30 am. The cost is \$35, and payment must accompany registration.

Topics to be covered include: lab-acquired infections, hazard identification, control of biohazards, and regulations and responsibilities involved with biohazards in the workplace.

For further information on the course, contact Don Kozlak at 492-3142. The registration deadline is 22 April.

## FOLIO

Volume 29 Number 33

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Public Affairs produces *Folio* on a regular basis for the staff and other interested persons.

### DEADLINES:

Notice of coming events: 9 am three weeks in advance of event. Classified advertisements: 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 40 cents per word with no discount for subsequent insertions. There is a limit of 30 words and a minimum charge of \$2.00. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 pm Thursday, eight days before desired publication date. Camera ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

The editor reserves the right to limit, select, edit and position submitted copy and advertisements. Views expressed in *Folio* do not necessarily reflect University policy. *Folio* contents may be reprinted with acknowledgment.

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## Of chemistry and cars

### Polyketides keep rolling off an as yet unseen assembly line

**P**icture a large automobile factory, says Chemistry Professor John Vederas. At one end of the building, pieces of metal, plastic, and fabric are fed into a complex process that transforms them into a shiny, driveable machine by the time they reach the other end.

Now, says Dr Vederas, imagine you cannot see what goes on inside the factory. If you want to try to determine how the cars are made, how could you do it? You might take an educated guess at the first few assembly steps and put together a few parts, then drop what you've constructed into the factory process and see if what rolls out at the end resembles an automobile.

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**"We think that interfering with DAP [diaminopimelic acid] formation or utilization could lead to broad spectrum antibiotic activity."**

John Vederas.

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As a 1991-92 McCalla Professor, Dr Vederas is not actually studying the auto industry. But the factory analogy is his favourite way of describing his bio-organic chemistry study into polyketides.

Polyketides are a class of compounds that include important antibiotics like tetracycline and erythromycin. They are con-

structed when short chain molecules interact with an organized complex of enzymes.

This interaction, involving 20 to 30 steps, is the assembly process that Dr Vederas likens to the making of automobiles. It is a process currently impossible to view. So Dr Vederas and his researchers partially assemble polyketides and label them with stable isotopes in order to follow their progress along the assembly line to completion.

Dr Vederas wants to know how polyketides are made not only because he is keenly interested "in how nature puts together molecules," but because understanding this process may allow him "to make new, modified antibiotics and medical agents which may have more useful or better properties" than those currently on the market.

In a related study, Dr Vederas is attempting to block the formation of diaminopimelic acid (DAP), an essential component of bacterial cell walls.

"We think that interfering with DAP formation or utilization could lead to broad spectrum antibiotic activity," he says. This is the way that antibiotics like penicillin work, but certain bacteria become immune to established antibiotics, creating the need to find new ones, he explains.

His research has led to the desired antibiotic activity but is not yet on a level that is practical for human use.

"But I think we're on the right track," he says.

Dr Vederas has been a full professor at this University since 1987. He began as an assistant professor in 1977 after completing postdoctoral work in Switzerland and at Purdue University. He received his doctorate in organic chemistry from the Massachusetts Institute of Technology.

Among his many laurels are the Merck Sharpe Dohme Lecture Award (1986) and the John Labatt Award (1991), presented to him by the Chemical Institute of Canada for research in bio-organic chemistry.

The McCalla Professorship has given him a full year to concentrate on his studies, which, he says, "could keep me busy for my whole career."

## EFF DEADLINE EXTENDED

The deadline for the April competition to consider applications to the Endowment Fund for the Future (Distinguished Visitors Fund) has been extended to 30 April.

For more information and application forms, contact Deirdre Cartledge at 492-8182.



**University  
of  
Alberta**

# Rewriting the script

## Two people diagnosed as HIV-positive address Family Studies class

Deborah Norris believes she was probably infected with the Human Immunodeficiency Virus (HIV), the virus that causes AIDS, by her partner while she was pregnant with her second child.

Norris and her partner had been separated for some time and had then reunited. She asked him whether he had had sexual relations with other partners and he said no.

Invited to address the Family Studies 323 course on Human Sexuality recently, Norris explained that last summer she experienced heart palpitations. As a single mother with two children, she thought it would be wise to purchase life insurance. When the results from her obligatory physical examination came back, she was shocked to learn she had tested positive for HIV.

"I would have loved to be able to curl up in a corner and stay there," she told the 125 students in the course who are enrolled in a variety of Faculties. "I wanted to grieve, but I didn't have the luxury because I have two small children. I have to be there for them," she said, adding that the issues are different for women infected with the virus than they are for men infected with the virus.

But while Norris is still dealing with the diagnosis and coming to grips with some of the implications, co-presenter Wayne Hellard said he has begun to like himself again. "One of the first things that happens is that you believe you're contaminated, dirty and worthless," said Hellard, who was likely infected in 1983. He was diagnosed HIV-positive in 1985.

Hellard knew he had been exposed to the virus. His partner had already been diagnosed as positive. "It took me three or four months to begin to accept the news," he said. But that period of denial was a perfectly healthy mechanism in order to process the information, he explained.

He refrained from sexual activity. "For a period of time, I gave up all hope and was convinced I was going to die," said Hellard, who would routinely examine his skin several times a day. For a couple of years, he lived from doctor's appointment to doctor's

appointment. As those appointments drew nearer, he would be increasingly depressed and his obsessive-compulsive behaviour would worsen.

With the assistance of a therapist, however, Hellard learned to recognize when his thoughts were negative, and to replace them with positive thoughts. He's now doing some long-range planning. "My T-cell count is still relatively good, and above 500, which means they still function properly. But I'm now what's called HIV-symptomatic," he said, explaining that he has very little warning when diarrhea will occur. (T-cells are key components of the immune system and are largely responsible for organizing and carrying out the immune response to foreign invaders.)

"I do an eight-week sexuality workshop for men who have sex with men. This workshop is beginning to take off and to get national recognition," he said. Hellard and his partner have been invited to give the workshop this summer at a conference in Los Angeles.

**"For a period of time, I gave up all hope and was convinced I was going to die."**

Wayne Hellard

Norris, who breast-fed her children, had them tested for the virus. The tests have been negative. She hasn't told them about her disease, and has decided not to until they are older or she is sick.

"I have been able to deal, largely, with the anger, grief and loss of my future with the help of the AIDS Network of Edmonton Society," Norris said, adding that friendships she's developed have remained intact.

"I recently found out my T-cell count is low, below 500, and they've recommended I go on AZT right away. I've said no, prima-

rily because I just can't deal with that right now.

I just found out I'm HIV-positive. I asked for some time to find out more about the drug," Norris said. "If [you] have a reaction to the

**"You have some vague idea of a lifespan and what kinds of things you want to do within that lifespan. Basically, my script's been torn up."**

Deborah Norris

drug, and you're single, you can just run off to the hospital. I have two small children at home, so I needed some contingency plans in place ... not just for after I die, but also when I'm sick as well. That took a huge burden off my shoulders.

"Everyone in this room has a script in life. You have some vague idea of a lifespan and what kinds of things you want to do within that lifespan. Basically, my script's been torn up. I haven't reached the stage Wayne has reached yet. I haven't rewritten it yet." Norris, who earned her BA at the U of A and had planned to return to do an MA, said, "Right now I live month to month."

Her advice to students? Don't share needles and use condoms.

Sessional instructor Maryanne Poirier said the course helps students examine their own attitudes about sexuality. She said it was worthwhile having Hellard and Norris speak to the class.

Fourth-year Education student Wayne Melnyck commented that Hellard and Norris spoke openly and honestly about their disease, and that very few people get an opportunity to meet people who are HIV-positive. "It led me to think about the disease in a more personal sense," said Melnyck, adding that it's important that society treat AIDS victims as people.

# CURRENTS



## Faculty studies, 1992-93

Applications for faculty studies (Cameron and Rutherford Libraries) for the 1992-93 year are now being accepted. Application forms and the guidelines for allocation are available from department offices or the Office of the Director of Libraries, 5-02 Cameron Library. Closing date for applications is 1 May.

## Photo Services stocks eight-exposure colour film

Photo Services advises that it has colour print film in an eight-exposure roll format.

Kodak Ektacolor GPF 160 film is a general purpose film designed for daylight or electronic flash exposure. "This film produces excellent results even under flat lighting, or when it is over- or under-exposed. As an added bonus, it does not require refrigeration," says Photo Services Supervisor Dave Spearing.

The new film sells for \$2.30 per roll.

Photo Services has set aside time each Wednesday for passport photography. No appointment is necessary. Cost is \$10, and prints are ready the next day. Also, faculty and staff who may be travelling and who have questions about types of film to use and/or passage through airport X-ray machines are invited to call Photo Services, 492-4186, for advice.

## WANTED: SUPERVISORS FOR WISEST'S WORK EXPERIENCE PROJECT

WISEST (Women in Scholarship, Engineering, Science and Technology) is seeking University of Alberta faculty members or other researchers who would be willing to supervise Grade 11 students as members of their research teams for six weeks (6 July to 14 August).

This is a work experience project to choose careers in research in nontraditional fields. Therefore, WISEST is looking for positions for girls in the sciences and engineering and for boys in home economics and nursing. Students will work on ongoing research projects, preferably ones in which they can play significant roles and, ideally, see some progress over the six-week period.

For further information, contact WISEST Coordinator Dorothy Tovell at 492-1842 (afternoons).

## CONFERENCE A POSSIBLE SPRINGBOARD TO CAREER IN SCIENCE

A conference to encourage girls from rural Alberta to consider careers in science and technology will be held at the University of Alberta 2 May.

The Science Alberta Foundation, sponsor of the conference, asks, "Do you know a teenager who would make a great doctor, engineer or scientist?" If so, SAF recommends that you "put her in touch with WISEST, an organization of University of Alberta scientists."

Teachers and Grade 11 students are invited to explore summer job opportunities on campus. SAF says students from rural areas are especially encouraged to attend the conference, the contact person for which is Dorothy Tovell, 492-1842.

## U of A Senate member feels he's had some impact on Bank of Canada's decisions

An awful lot of agricultural debt is at fixed rates, so it's not correct to calculate the cost to farmers every time the interest rate goes up on the total debt, says one of the Bank of Canada's central board members.

Brian Heidecker, a University Senator who farms 14,000 acres in the Lacombe area, says, "Every time interest rates move up or down a bit, some genius gets out the pencil and calculates there's \$22 billion outstanding farm debt in Canada. Therefore, every time the interest rate goes up by one percent, that translates into a \$220 million cost to the agricultural community."

That's not a correct assumption to make, said Heidecker, a recent speaker in a lecture series sponsored by the Department of Rural Economy (his topic was the central bank and the rural economy). Heidecker said in Alberta there's about \$5.8 billion of outstanding agricultural debt, but \$3.75 billion of that is fixed in some way or another.

"Certainly, the impact is there in the mid-and long-term, but you can't say it's there in the short-term. Suppliers are affected and our personal expenditures are affected."

Heidecker said in the province there is about \$4 billion in gross farm income, roughly half derived from livestock and half from grains and oilseeds. "The vast majority of that is priced on the export markets, so when exchange rates move one cent it has a major impact."

He acknowledged that it's not easy representing a province which has traditionally complained vociferously about interest rate hikes. "I think we've had some influence and I think we would have had a lot higher interest rates if three or four directors hadn't been in there complaining bitterly," he said.

"It's tough to view monetary policy in the short-term. It's not a precise science. When you put certain forces into the market, you may get the responses you want, but many times you don't get the responses you want. The value of the dollar is not just a function of interest rates; there is a whole host of factors that come into play," he said, suggesting that the biggest factor is the level of confidence.

"International investors, and more significantly, Canadian investors, are looking for a minimum of risk," he said. Don't assume that when the Canadian dollar is being sold off it

is international investors doing it. "More times than not, it's Canadian investors bailing out."

The Bank of Canada issues currency, acts as the government's fiscal agent, sets the bank rate and helps formulate monetary policy.



Brian Heidecker

# Have transfer credit, will travel

Transferability has become a watchword for many of Alberta's postsecondary education students.

In the fall of 1991, 8,494 students transferred among the province's universities, public colleges, institutes of technology, vocational centres, private colleges and hospital schools of nursing. This figure includes 1,839 students who transferred from public colleges to universities. The University of Alberta currently has 1,785 transfer students registered, with the greatest proportion (71 percent) coming from five institutions: Concordia College, Grant MacEwan Community College, Red Deer College, the University of Calgary, and NAIT.

There wasn't (and isn't) direct, absolute transferability into every program, but as Dave Sande, Associate Dean of Education and Chair of the GFC Committee on Admissions and Transfer points out, "admissions officers make every effort to grant maximum transferability to every applicant." At the University of Alberta, transfer credit may be granted to applicants for admission who have completed one or more University-level courses at another recognized university or college. (Transfer credit is used to reduce the length of the program that the student is required to take at the U of A to qualify for a degree. The maximum amount of transfer credit that will be granted towards any degree program is normally 60 credits—10 full-course or 20 half-course equivalents.)

"Here at the University of Alberta we think that the [transfer] system works well," Dr Sande says. "It doesn't work perfectly from the point of view of all students all the time but I think it's as close as we can get."

Dan Basterash, a Physical Education and Recreation student, transferred to the University of Alberta from Red Deer College two years ago. "My marks carried right over and I had no problems at all," he says.

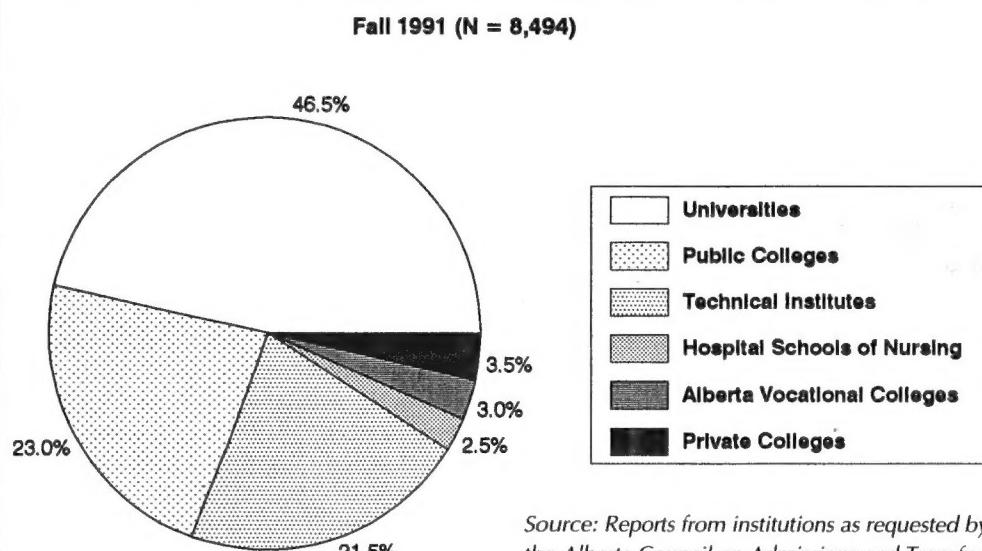
Originally from Killam, Alberta, Basterash was a general studies student at RDC and was uncertain as to his future. A talented hockey player, he looked at both the physical education programs and the hockey programs here and at the University of Calgary. He easily met the 5.5 GPA needed for admission and opted for the U of A's four-year program over Calgary's three-year program. He has eight courses to complete next year and is giving thought to taking an after degree program in Education. "Hockey-wise, I'm glad I picked Edmonton," says the centreman for the CIAU champion Golden Bears.

Eileen Lascu had little difficulty transferring into the Department of Art and Design, save for not getting credit for a printmaking course she completed at Grant MacEwan Community College. She transferred here last year and zipped through the course between September and December.

A recipient of a 1991-92 Universiade '83 Scholarship, Lascu has had her work exhibited at the Edmonton Art Gallery. She plans to earn a master's degree and then pursue an Education degree in order to eventually teach at the high school level.

Dianne Kieren, Associate Vice-President (Academic) and a Universities member of the Alberta Council on Admissions and Transfer (ACAT), believes that while the system will "never be a perfect match", it does operate efficiently, especially when one considers that each of the four universities has developed its own unique programs and admission standards. When students enroll in a degree program, the degree implies that there are

**Figure 1**  
**DESTINATIONS OF WITHIN PROVINCE TRANSFER STUDENTS**



Source: Reports from institutions as requested by the Alberta Council on Admissions and Transfer

course-specific requirements, and each university acts autonomously to determine what they might be.

In 1974, Alberta became the first province to establish a body whose responsibility is to streamline transfer arrangements among postsecondary institutions. ACAT is an advisory committee to the Minister of Advanced Education and its members respect the fact that each institution sets and adheres to its own admission policies. ACAT, says Chair Terry Moore, acts as "a forum to sensitize both senders and receivers to issues" and relies heavily on its "powers of moral suasion."

Increasingly, ACAT is thinking about large numbers of students spread over a vast landscape. Until recently, Dr Moore notes, rural students' practice was to apply to just one university/college. Now they apply to many.

Dr Kieren describes ACAT as both a facilitating body and a mediating body. Since the system normally is between colleges and universities, she emphasizes that the transfer colleges have to keep students up to date on changes. (This is changing, however. Many U of A students take Athabasca University courses and seek credit for them here. Dr Kieren says the most popular courses have been identified and "we're working out a streamlining between Athabasca University and ourselves. I think we're the only two universities doing this now.")

ACAT doesn't approve courses. Rather, the colleges submit courses to the universities' registrars' offices which then ask the appropriate department(s) to evaluate the proposed course(s) and recommend on whether they should be offered.

In the last three years the U of A has ironed out two major wrinkles. Two years ago the instructor qualifications policy for transfer course approvals was revised in order to build in more equitable assessments of college requests for transfer credit. The new policy was put in place at the same time as the new course numbering system and moved from requiring approval of a specific instructor to approval of an appropriate level of qualifications of an instructor for a specific course. As Joe Daniel, Administrative Professional Officer for Undergraduate Studies, Faculty of Education, sees it, "we brought some rationalization to the whole process by this policy change."

Acknowledging that the U of A has been on the hot seat at times, Dr Kieren emphasizes that "we don't want to lay on requirements

that are far greater than what people anticipated. We're trying to build good relationships and one way we do that is by inviting college officials to come and speak with our instructors."

The University also installed conditional (early) admission policies for transfer students to the Faculties of Arts, Science, Education and Business. Admission is conditional on the student's final grades. "It gets them registered early and helps reduce the anxiety level," says Daniel.

How do transfer students fare in comparison with students who initiate their postsecondary studies at the U of A? Bonnie Neuman, Associate Registrar and Director of Admissions, says there's no noticeable differences. "It's [the transfer route] an equally valid path in terms of academics."

The Registrar's Office annually tracks the averages of all transfer students and sends a copy of the data to each sending institution.

Associate Dean of Science Graham Chambers says data from the Registrar indicates that if students from the transfer colleges transfer to the University with 6.3 to 6.5 grade point averages, they maintain those averages within the University. The Faculty of Science has never felt the need to see whether that data holds true for science students, he explains, because the Faculty has never noticed any particular problems.

Dr Chambers says colleges' expectations of the transfer system may have gone beyond what the system was originally set up to accomplish. The colleges may be expecting it to be more flexible than it is capable of being. It was originally designed for the arts and sciences, he says, and was never meant to handle transfers into the mid-point of professional programs.

If students begin their studies at a transfer institution in sciences and then want to transfer to another Faculty, they shouldn't expect to receive enormous credits for their completed courses, Dr Chambers told *Folio*.

The Faculty of Business normally accepts 280 transfer students into its BCom program each year from inside and outside the University. Last fall, the Faculty conducted a random survey of 100 transfer students. Although cautioning that the survey sample was small and that another survey would be conducted within the next nine months, the Faculty did determine there was a fair amount of variability in the quality of the students.

"There is a general feeling within the Faculty that the transfer route is going to become increasingly important to our Faculty," says Terry Daniel, Associate Dean (Programs). If the Faculty decides to move to a system whereby all the BCom students would be admitted via the transfer route, it would be increasingly important to judge all the applicants based on a standardized set of criteria. For example, would a 7.2 GPA earned in the Faculty of Arts be equivalent to a 7.2 GPA earned at Grant MacEwan Community College?

Dr Daniel says a student's marks in Math 30 and English 30 have been the best indicators of how well they will do in the BCom program. Those courses assess verbal and quantitative skills and if students do well in these high school courses, they generally do well in the BCom program, he said.

## Transfer Guide all-inclusive

Postsecondary education officials' advice to students thinking of transferring is "Abide by the Guide."

"The Alberta Transfer Guide is the backbone of our [provincial] transfer program," says Dave Sande, Chair of the General Faculties Council Committee on Admissions and Transfer. "It provides security to students, sending institutions and receiving institutions."

The Guide, which first appeared in 1976 and which is revised annually, is published by the Alberta Council on Admissions and Transfer, a 14-member, independent body which was established in 1974 at the request of the postsecondary institutions. ACAT meets on a monthly basis and reports annually to the Minister of Advanced Education. Its primary objective is "the enlargement of educational opportunities for students." Basic to the Council's purpose and activity is the principle that a student should not be required to repeat previous learning experiences in which competence has been demonstrated nor should more transfer credit be granted than previous learning experience would warrant for successful completion of the program.

A particular course may be offered at, say, Grande Prairie Regional College, but the course equivalent (a course for which credit is given by the receiving institution) may not be available at the University of Alberta. It's a matter of consulting the Guide for the answer, says Dr Sande. He reckons that most of the work is done up-front before transfer students come on campus. Then, too, each student accepted to the U of A receives a detailed evaluation summary from the Faculty which indicates the basis of admission and all courses for which transfer credit or advanced placement has been granted. Should a student take issue with the specifics of one or more of the courses they can take their case to the Faculty or Faculties concerned.

"It's very public and very open. It's not magical, so to speak. The key element is 'be fair,'" Dr Sande says.

Joe Daniel, who, as Administrative Professional Officer for Undergraduate Studies, Faculty of Education, also sees the workings of the transfer system up close, feels that people are sometimes quick to take a concern or complaint to the local news media without having fully explored the situation. He maintains that through the Alberta Transfer Guide, the admission letter and consultation with the appropriate people at the receiving institution, "the information is out there for students and the vast majority of problems can be solved very quickly."

## GUEST COLUMN

### 'Comprehensive review of campus security is imperative' — AWA

In light of the recent graffiti targeting feminists, gays, and lesbians, and reports of attacks on women on and near the University, the Academic Women's Association executive believes a comprehensive review of campus security is imperative. We share the fears being expressed widely by both students and staff, and believe that Anita Moore, president of the Non-Academic Staff Association, represented a large proportion of the University community when she called for efforts to make the campus a safer place, at the U of A rally against graffiti on 13 February.

It is important that the people who are affected by fear for their personal safety and who fear for the safety of others tell University policy makers how security could be improved. To this end, we outline several suggestions for improving safety, stressing mechanisms for facilitating communication between the community and security officers.

First, the University must collect information on specific security needs, including places on campus where people often feel afraid, where incidents have occurred in the past, or where security is inadequate. Departments could contribute to a more effective, efficient security review by assessing their particular needs and concerns.

The following areas require immediate consideration:

- 1) public access to certain buildings, especially at night and on weekends;
- 2) regular security patrols of problem or vulnerable areas;
- 3) adequate lighting, especially in some areas;
- 4) review of keys issued in every department and office;
- 5) accessibility of emergency telephones, for example, in washrooms, libraries, student offices and study areas;
- 6) extensive escort service;
- 7) 24-hour study hall to draw students away from unsafe, unguarded offices and buildings.

Second, the University should develop ways to inform the community about security issues. This includes publishing campus crime statistics periodically in *Gateway* and *Folio*, as well as an E-Mail bulletin board, and establishing procedures for alerting faculty, students, and staff of emergency security situations, where the Vice-President deems necessary. Because Dr Stanford's laudable efforts to inform people of the hate graffiti were not supported by some departments and Faculties, procedures must be clear and accompanied by penalties for noncompliance.

Third, because various groups on campus represent individuals likely to be the targets of violence and other crimes, their ideas about

safety issues are invaluable and must be actively solicited. Providing places on security committees for selected groups is one way to ensure these important views are included in policy making.

Fourth, the staff agreements must be reviewed to ensure that they include guarantees that the University will make every effort to provide a safe workplace.

Fifth, the priorities for campus safety need to be seriously reviewed. For example, perhaps more safety resources should be devoted to security and crime than to accidents.

Finally, in setting the overall funding priorities of the University, the creation and maintenance of a safe environment for those who work, study, and live here must be regarded as a top priority.

We hope that these and other proposals offered by the community will be taken seriously. We support and encourage efforts to increase the safety for all individuals and groups at the University of Alberta.

*This article was submitted by the AWA executive which consists of Sandra Niessen (president), Judy Garber, Lesley Cormack, Susan Jackel, Sue Hamilton, Annalise Acorn, Lillian MacPherson and Janice Williamson.*

*Ed. note: Folio will be running a series of articles on security issues.*

## EVENTS

### EXHIBITIONS

#### BRUCE PEEL SPECIAL COLLECTIONS

Until 22 May

"Two Centuries of Bookbinding: Materials and Techniques, 1700-1900"—a travelling exhibition organized by the Canadian Bookbinders and Book Artists Guild. Hours: Monday and Friday, 8:30 am to 4:30 pm; Tuesday, Wednesday, Thursday, 8:30 am to 6 pm; Saturday, noon to 5 pm; Sunday, closed. B-7 Rutherford South.

#### CLOTHING AND TEXTILES

Until 30 April

"What is Textile Conservation?" This exhibit explains the concerns and work of textile conservators using examples of textile treatments from the lab of Conservation Services. Basement, Home Economics Building. Hours: Monday to Friday, 8 am to 5 pm.

#### FAB GALLERY

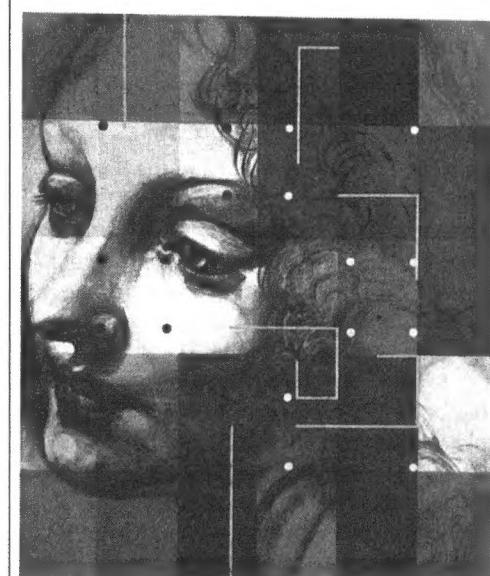
Until 16 April

"Mark Bovey, Fragment and Meaning"—final visual presentation in partial fulfilment of the requirements of the MVA in printmaking. "Towards Identity"—senior and first year graduate printmaking. Gallery hours: Tuesday to Friday, 10 am to 5 pm; Sunday, 2 to 5 pm; Saturday, Monday and statutory holidays, closed. 1-1 Fine Arts Building.

#### WOLTJEN/UDELL GALLERY

11 to 25 April

First solo show for Karen Yurkovich, MVA, Department of Art and Design. Hours: 9:30 am to 5:30 pm Tuesday through Saturday.



Angel, oil on canvas.

#### MUSIC

##### DEPARTMENT OF MUSIC

14 April, 8 pm

Improvisational and experimental composition recital by students in Music 259 and 581. Convocation Hall.

23 April, 8 pm

Master of Music Recital—Marva Duerksen, pianist. Convocation Hall.

29 April, 8 pm

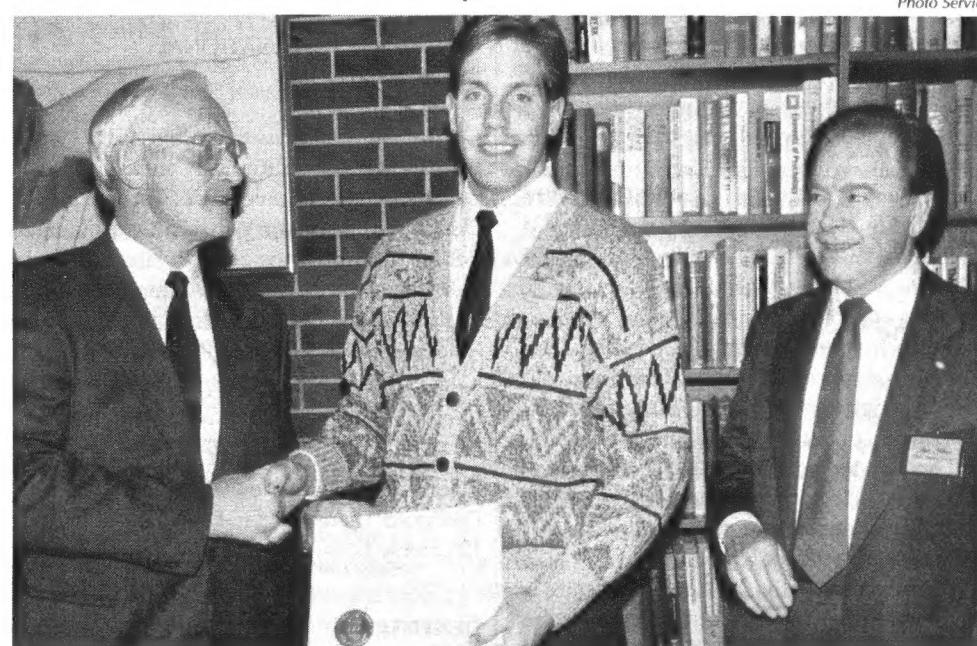
Graduate Composers Concert. Convocation Hall.

#### THEATRE

##### STUDIO THEATRE

Until 11 April

"The Love of the Nightingale" by Timberlake Wertenbaker. Tickets and information: 492-2495.



Ian Herbers receives his Universiade '83 Scholarship from Jim Hole (left) and University Board of Governors Chair Stan Milner. The Bears' all-star defenceman plans to complete an after degree program in Education and teach and coach at the secondary level.

# Planning and Development Projects Report - Spring 1992

The following report provides an overview of the major University of Alberta Planning and Development projects in progress.

## PROGRAM PLANNING

**General Space Programming (GSP):** GSP is under way for the Department of Computing Science to establish broad space and facilities requirements. An update to the 1984 GSP is needed in light of the high priority given by the Planning and Priorities Committee (PPC) for a new facility to accommodate the department. A comprehensive GSP and five-year accommodation plan has been completed for the six departmental units of the HM Tory Building.

**Detailed Space Programming (DSP):** Both general and detailed space programming is under way for University Health Services' possible relocation to the Students' Union Building. Detailed space programming requirements are also being identified for the University Map Collection. Work on a detailed accommodation plan for the Law Centre will start soon.

## PLANNING

**Sign system guidelines:** A draft of the interior sign section is currently before the departments involved, and will soon be distributed in its final form. A design framework for the exterior sign component of the guidelines is now being examined; it will include guidelines for perimeter signs for the Greater Campus Area.

**Devonian Botanic Garden:** Planning is under way to update the Long Range Plan produced in 1978. A draft plan report, which documents existing conditions and broadly outlines development proposals for the future, is nearing completion.

**South Campus Circulation Study:** The study was approved by the Facilities Development Committee (FDC) and the Board of Governors Building Committee (BBC) in January. It was sponsored jointly by organizations of the South Campus Area (south of 87 Avenue). Once approval from each of the participating organizations is obtained, planning for implementation will begin.

**89 Avenue reconstruction:** The University has been working with the City of Edmonton in a coordinated effort to return buses to 89 Avenue (see *Greater Campus Transit Service Study*, published in January 1991). A development plan for 89 Avenue was approved by BBC in March. It calls for the provision of optimum facilities for transit operations, bicyclists and service vehicles and the enhancement of 89 Avenue as a major pedestrian way on campus. Reconstruction will begin shortly. The return of bus service will coincide with the scheduled opening of the University LRT Station in late August. In the interim, temporary bus stops will continue to be available near the Jubilee Auditorium.

**Facilities accessibility:** An examination of disabled persons' accessibility to University facilities is in progress.

**Building evaluations:** The University has been requested by Alberta Advanced Education to undertake a pilot project in facilities evaluation, a process of assessing the physical and functional condition of a particular building. The Departments of Planning and Development and Physical Plant will be working together over the next several months to evaluate a specific building on campus and prepare the document that will be utilized as a model for all facilities evaluations of post-secondary education buildings throughout the province.

**Community liaison:** Planning and Development now meets on a quarterly basis with residents of the surrounding communities of Garneau, McKernan, Belgravia, and Windsor Park to discuss planning and development matters. The meetings will keep the various communities abreast of University plans and projects and allow for residents' feedback. The first meeting was held in January.

**Bicycle routes:** The city has advised that changes will be made to the existing designated bike route originating south of 72 Avenue on 113 Street. The bike path is on the east side of 113 Street and runs through portions of Parkallen. The plan calls for the route to follow the entire length of 113 Street on the west side, then continue northbound through the intersection at 72 Avenue. Cyclists then have a choice of proceeding east on 72 Avenue or continuing northward on 114 Street to 74 Avenue. At this point the route heads west to link with the existing designated bicycle route on 115 Street which joins with the greater campus at University Avenue. The route into campus used by cyclists north of this junction is being reviewed for safety. Cyclists, pedestrians, patients of the Mewburn Veterans Centre and drivers of University of Alberta Hospitals' service vehicles are at odds over the 113 Street route; alternative solutions are being examined.

## RENOVATIONS AND DEVELOPMENT

**University LRT Station:** Construction of the station continues on schedule with the commencement of transit operations planned for late August 1992. Construction of the below-ground station and surface entrance buildings is nearly complete; minor construction deficiencies are now being rectified. Surface restoration of the areas disturbed by LRT construction will start soon as part of the overall redevelopment of 89 Avenue into a transit and pedestrian way.

**114 Street traffic circle at University Avenue:** This spring, the City of Edmonton will reconstruct 114 Street between 72 Avenue and University Avenue, and will remove the circles at these intersections. 114 Street will be developed into a four-lane divided roadway with centre turning lanes, and the circles will be developed into signalized intersections. Construction is to begin at 72 Avenue and move northward, reaching University Avenue sometime in August. Through traffic will be maintained during construction.

**Clinical Sciences Building:** Major interior renovations were started in November 1990 to implement a space plan for accommodation of the Faculties of Nursing and Medicine, and also for departments of the University of Alberta Hospitals. The project is nearing completion.

**University Extension Centre:** The Centre is located on the northeast corner of 83 Avenue and 112 Street. The Faculty of Extension, which moved into the Centre in December, occupies approximately three and a half floors of the seven-storey building. A portion of the commercial space on the main floor is occupied by a deli operated by Housing and Food Services; an outlet of the University Bookstore will open in the near future. The balance of the space will be occupied on a leased tenancy basis by commercial enterprises, as well as units of the Faculty of Nursing.

**Timms Centre for the Arts:** The Centre is planned for the site south of the Fine Arts Building on 112 Street. It will be occupied by the Department of Drama. The schematic architectural design was approved by FDC

and BBC in December. Detailed design development of the building has started.

**Animal research facilities:** Two projects to provide sufficient and improved animal research facilities are under way. New facilities are being constructed in the Heritage Medical Building (Clinical Wing) and a design development report for renovations to animal research space in the Medical Sciences Building has met with the approval of FDC and BBC.

## SPACE MANAGEMENT

Several space planning and management activities are currently being addressed as part of the ongoing review of unit space requests, space alteration proposals, overall campus space utilization, and the study of long-term space allocation possibilities. The following projects are noted at this time:

- Reallocation of space within the Agriculture/Forestry Centre and General Services Building to accommodate plant biotechnology facilities of the Department of Plant Science, and also to consolidate Computing and Network Services.

- Space occupancy reviews for the Printing Services Building and University space in SUB, including a possible move on the part of Career and Placement Services.

- Review of expansion needs in the Faculty of Rehabilitation Medicine.

- Continuing attempts to find permanent exam centre space for the Registrar's Office.

- The permanent allocation of the space (in the Biological Sciences Centre) formerly occupied by the Boreal Institute for Northern Studies Library.

*Those wishing to obtain additional project information may contact Planning and Development at 492-4966.*

# TALKS



## ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

15 April, 4 pm

James R Bartles, assistant professor, Department of Cell, Molecular and Structural Biology, Northwestern University Medical School, "Establishment and Remodelling of Spermatozoal Plasma Membrane Domains." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

## CANADIAN FEDERATION OF UNIVERSITY WOMEN

13 April, 7:30 pm

Patricia Garrett, "Women in Need Growing Stronger (WINGS)." All women University graduates are welcome. Information: 435-1277. Royal Glenora Club, 11160 River Valley Road.

## CANADIAN INSTITUTE OF UKRAINIAN STUDIES

14 April, 3:30 pm

Peter Jacyk Centre for Ukrainian Historical Research. John-Paul Himka, "The Greek Catholic Church in Galicia in the Late Nineteenth Century." 352 Athabasca Hall.

## CENTRE FOR INTERNATIONAL BUSINESS STUDIES

28 April, noon

Jürgen Müller, visiting professor of German and European Studies, Centre for International Studies, University of Toronto and Deutsches Institut für Wirtschaftsforschung, Berlin, "Restructuring and Privatization in East Germany: A Model for Other Post-Socialist Economies?" \$10. Registration: 492-2235. Stollery Centre, 5th Floor, Business Building.

## CLOTHING AND TEXTILES

16 April, 1 pm

Kwabena Osei-Ntiri, "Characterization of Electrostatic Charges on Clothing and Spark Produced There From in Dry Conditions." 131 Home Economics Building.

## DENTISTRY

10 and 11 April, 8:30 am

K Zakariassen, Dalhousie University, G Harrington, University of Washington, D Collinson, and C Hawrish, "Intracanal

Endodontics: State of the Art." Fee. Information and registration: Debbie Grant, 492-5023. Fantasyland Hotel.

## GEOLOGY

14 April, 11 am

Hugh J Abercrombie, Geochemistry Subdivision, Institute of Sedimentary and Petroleum Geology, Calgary, "ICP-MS at ISPG, or...Inductively Coupled Plasma—Mass Spectrometry at the Institute of Sedimentary and Petroleum Geology (GSC, Calgary)." 104 Earth Sciences Building.

## JOINT-CLINICAL ETHICS SEMINARS

14 April, 12:30 pm

Kathleen Collinson and Glenn G Griener, "Is it OK to Date a Patient?" 2F1.04 Mackenzie Health Sciences Centre.

## LAW

Saturday Morning at the Law School—"Law of the Workplace." Information: 492-3115. Law Centre.

## MIL SCIENCE

16 April, 12:30 pm

Robert Janzen, "Modification of Microbial Community Composition of Model Systems by Microbial and Biochemical Amendments." 2-36 Earth Sciences Building.

23 April, 12:30 pm

Deo Heeraman, "Use of the Minirhizotron for Studying Barley and Fababeen Root Systems." 2-36 Earth Sciences Building.

## STATISTICS AND APPLIED PROBABILITY

10 April, 2 pm

Pranab K Sen, Department of Biostatistics, University of North Carolina at Chapel Hill, "Multivariate L1-Norm Estimation and the Vulnerable Bootstrap." 657 CAB.

 This symbol denotes environmentally related seminars/events. If you wish to have an environmentally related event listed in this way, please contact: The Environmental Research and Studies Centre, 492-6659.

# POSITIONS



The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

## ACADEMIC

### HUMAN RIGHTS OFFICER (SEXUAL HARASSMENT COORDINATOR)

The University of Alberta is seeking an individual to serve as a Human Rights Officer within the Office of Human Rights.

The Office of Human Rights assists the University of Alberta to evolve an environment which values diversity in its staff and students and ensures that deserving people are not denied employment, learning or research opportunities for reasons unrelated to ability.

Reporting to the Director of the Office of Human Rights, the incumbent will have special responsibility for the ongoing design and implementation of the University of Alberta's sexual harassment policies and procedures and coordinate the activities of the President's Advisory Committee on Sexual Harassment. The incumbent will also participate in the development of policy and procedures on a full range of human rights issues; advise members of the University community who have problems involving discrimination on any of the grounds protected under federal and provincial legislation.

cial human rights legislation; facilitate case resolution; develop and deliver educational programming about human rights issues as they affect the University community; liaise with helping and human rights agencies both internal and external to the University and participate in educational equity programming as required.

The successful candidate will have or be able to quickly develop a high level of credibility among all constituencies at the University of Alberta; knowledge and preferably experience in the field of human rights, and especially sexual harassment; outstanding skills in interpersonal communication, analysis, problem-solving, and mediation; and demonstrated ability to deliver public presentations to large and small groups.

This is a full-time Administrative Professional Officer position with an assigned 1991-92 salary range of \$36,230 to \$54,350.

Individuals interested in being considered for this position may apply in confidence, by 15 April 1992 to: Mr Fran Trehearne, Director, Office of Human Rights, 1-11 University Hall, University of Alberta, Edmonton, Alberta T6G 2J9.

Letters of application should be accompanied by a *curriculum vitae* and the names of three references.

## SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 3 April 1992. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR. Positions available as of 3 April 1992.

*The salary rates for the following positions reflect adjustments in accordance with the new classification system and pay plan.*

MEDICAL STENO (Grade 6) (Trust), Medicine, (\$2,029 - \$2,530)

PROGRAMMER ANALYST (One Year Term), Computing and Network Services, (\$2,210 - \$2,769)

LABORATORY TECHNOLOGIST (Grade 8) (Term to 14 October 1992), Provincial Laboratory, (\$2,389 - \$3,011)

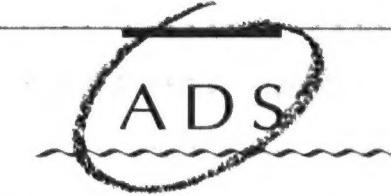
CONTROLS FITTER (Grade 8) (40 hr/wk), Physical Plant, (\$3,441)

*The following positions retain salary rates in accordance with the previous classification system and pay plan.*

TECHNICIAN I (Trust) (Term to 31 March 1993), Anaesthesia, (\$1,808 - \$2,324)

TECHNICIAN I (Trust), Psychiatry, (\$1,808 - \$2,324)

BIOCHEMISTRY TECHNOLOGIST I (Trust), Pharmacology, (\$2,230 - \$2,876)



## ACCOMMODATIONS AVAILABLE

VICTORIA PROPERTIES - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

VANCOUVER ISLAND, Nanoose Bay. Community by the sea designed for stress-free living. Multiple building sites, finished houses adjacent to golf course. John Richardson, Fairwinds Realty, (604) 468-7626, FAX (604) 468-7673, 1-800-663-7060.

RENT - Old Strathcona, charming, three bedroom home. Office area, garage, pretty yard. May 1992 - August 1993. \$1,200/month. Western Relocation, 434-4629.

RENT - Perfect location, Greenfield, furnished, split level. Three bedrooms up, den/bedroom main, family room, fireplace. Near French immersion school. 1 July 1992, one year lease. \$1,200. Western Relocation, 434-4629.

RENT - Oliver, new, upscale condo. Three storey, three bedroom, family room, garage, 1 April, \$1,500. Western Relocation, 434-4629.

RENT - Malmo area, three bedroom bi-level, furnished or unfurnished, 1 April, \$1,000. Western Relocation, 434-4629.

RENT - West end, Wedgewood Estates. Marvelous, two storey, unique design, double garage, new, must be seen. 1 May, negotiable, \$1,650. Western Relocation, 434-4629.

RENT - Spectacular view, executive condo, high style. Completely renovated marble, hardwood, silk wallcoverings. Must be seen. 1 August, \$1,775. Western Relocation, 434-4629.

RENT - Furnished, two bedroom house, near University. 1 July 1992 - 1 July 1993. \$850/month. 435-2154.

RENT - Hearthstone furnished townhome, two bedrooms, study, 2 1/2 baths. 1 May - 31 August. \$900/month plus utilities, nonsmokers, no pets. 435-4388.

RENT - Luxurious, seven-year-old, 3,000 square foot house, 1 April. Six bedrooms, 25 minutes from University, \$1,500/month. 459-0986.

RENT - Two bedroom bungalow, furnished, cozy, old home, 9618 79 Street. \$750/month plus utilities, May until mid-November. Linda Warford, 465-7067 after 6 pm.

SALE - Luxury, two bedroom condo, Waterford House, 10545 Saskatchewan Drive. Five appliances, heated underground parking, attractive assumable mortgage, \$129,900. Phone 433-0478.

RENT - Rossdale, two storey house on the river. 9522 100 Street. Three bedrooms, fireplace, hot tub. 1 July - January 1993. \$900/month, utilities, phone, extra. 425-5178 after 6 pm.

RENT - Close to University, modern, fully furnished, three bedrooms. Linens, dishes, etc. included. Nonsmoker, no pets. \$850/month. July 1992 - July 1993. 439-7272.

SALE - University, three bedroom bungalow. Hardwood floors, main floor laundry, den, dinette, upgraded kitchen, glass block windows in dining room, attached garage. Luke, NRS Realty, 448-6000.

RENT - Blue Quill, three bedroom, five-level split. Furnished or unfurnished. One year starting 1 July, August or September. Nonsmokers and no pets. 436-4912, 492-5187.

SALE - Lansdowne, two storey, four bedroom, large, treed, south yard. Pat vonBorstel, Spencer Realty, 435-0808, 437-6540 residence.

RENT - Two-storey, four-bedroom house. One-half block from Mill Creek Ravine. Furnished or unfurnished. Two plus years, 1 September. Nonsmoker, no pets. \$1,100. 433-9454.

*Continued on page 8*

## AWARD OPPORTUNITIES



### MAIMIE S SIMPSON MEMORIAL SCHOLARSHIP

The University of Alberta Alumni Association awards an annual scholarship in honor of Maimie S Simpson, who served the University and its students for many years as the Dean of Women.

The scholarship has a value of \$1,500 and will be presented to a full-time student who has attended the University of Alberta for at least the two previous years.

**Criteria:** The applicant's contribution to campus life and to the University of Alberta community will be the basis for the selection. The applicant should have a satisfactory academic standing and plan to continue studies at the University of Alberta in 1992-93. Previous recipients of major Alumni Association scholarships (the 75th Anniversary, Maimie S Simpson Memorial and Reginald C Lister Scholarships) are not eligible for this award.

Application forms and further information may be obtained from: Office of Alumni Affairs, 430 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8.

*Application deadline: Thursday, 16 April 1992.*

The scholarship will be presented at an Association function in early September 1992.

### REGINALD CHARLES LISTER MEMORIAL SCHOLARSHIP

The University of Alberta Alumni Association awards an annual scholarship in memory of Reg C Lister, who spent almost 50 years serving the University, many of them as Superintendent of Student Residences.

The scholarship has a value of \$1,500 and will be presented to a full-time student who has attended the University of Alberta for at least the two previous years.

**Criteria:** Major emphasis will be placed on the applicant's contribution to campus life and to the University of Alberta community. The applicant should have a satisfactory academic standing and plan to continue studies at the University of Alberta in 1992-93. Previous recipients of major Alumni Association scholarships (the 75th Anniversary, Maimie S Simpson Memorial and Reginald C Lister Scholarships) are not eligible for this award.

Application forms and further information may be obtained from: Office of Alumni Affairs, 430 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8.

*Application deadline: Thursday, 16 April 1992.*

The scholarship will be presented at an Association function in early September 1992.

### 75TH ANNIVERSARY SCHOLARSHIP

The University of Alberta Alumni Association awards an annual scholarship which was established in 1983 at the time of the University's 75th Anniversary to recognize the many contributions of the University's students.

The scholarship has a value of \$1,000 and will be presented to a full-time student who has attended the University of Alberta for at least the two previous years.

**Criteria:** The applicant's contribution to campus life and to the University of Alberta community will be considered. The applicant should have a satisfactory academic standing and plan to continue studies at the University

of Alberta in 1992-93. Previous recipients of major Alumni Association scholarships (the 75th Anniversary, Maimie S Simpson Memorial and Reginald C Lister Scholarships) are not eligible for this award.

Application forms and further information may be obtained from: Office of Alumni Affairs, 430 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8.

*Application deadline: Thursday, 16 April 1992.*

The scholarship will be presented at an Association function in early September 1992.

### NRC TRAINING PROGRAM FOR WOMEN IN SCIENCE AND ENGINEERING

**Value:** \$10,000. **Eligibility:** An applicant must: be a female Canadian citizen or permanent resident; be enrolled in an undergraduate science or engineering program with a Canadian university; be completing the first year of her program (to be accepted in the training program for her second year); be a high academic achiever and maintain this for the duration of the program; be willing to work for NRC (or for an NRC partner) in either the Summer Student or Student Co-op program; be committed to a professional career in science and engineering. Training and financial support for the participants will be for the second, third and fourth years of their undergraduate studies as long as the eligibility requirements continue to be met. **Deadline date:** 30 April 1992. For more information and application forms, contact the Office of Student Awards, 252 Athabasca Hall.

The scholarship has a value of \$1,000 and will be presented to a full-time student who has attended the University of Alberta for at least the two previous years.

**Criteria:** The applicant's contribution to campus life and to the University of Alberta community will be considered. The applicant should have a satisfactory academic standing and plan to continue studies at the University

**RENT** - Montreal, downtown. McGill University, two minutes walking; five minutes metro Université de Montréal. Large two bedroom apartment, furnished, hardwood floors, \$700/month, available 1 May. Phone Gordon, 998-5086, 471-9315.

**RENT** - University of Alberta area, 109/80 Avenue, main floor, two bedroom, furnished/unfurnished. \$800/month, 1 May, no smokers, no pets. 430-6324.

**SALE** - University area, luxury condo. Two storey, two bedroom, 11160 83 Avenue. 433-6721.

**SALE** - Immaculate, five bedroom, two storey, overlooking river valley. Super large lot, finished basement, jacuzzi, great dining room, tailored for family living. Joan Lynch, Re/Max Real Estate, 438-7000, 433-9025.

**RENT** - Fully furnished, three bedroom, two storey, 2,500 square feet, executive home. Southwest, \$1,500/month, available for one year starting 1 August 1992. Phone 481-3557 evenings.

**RENT** - House, Windsor Park, Saskatchewan Drive, ten-minute walk to campus. 1 July/August 1992 - 1 July/August 1993. 3,000 square feet, furnished/unfurnished, \$1,500/month. 492-3333 work, 439-5260 home.

**RENT** - Two bedroom apartment, available immediately. Hardwood floors, newly renovated, close to University. \$525/month including utilities and parking. Phone 463-1601.

**RENT** - Lendrum, fully furnished, two bedroom home, large living area. July-August 1992. \$500/month plus utilities. 434-3152.

**SALE** - Old Riverbend. Four bedroom, family home on huge pie-shaped lot. Double attached and double detached garages. Ann Dawrant, Spencer Realty, 435-0808.

**SALE** - Millcreek Ravine. Tastefully renovated, character home, spectacular basement, sauna, double garage, wider lot. Super location, almost in ravine. Jean MacKenzie, Spencer Realty, 435-0808.

**RENT** - Windsor Park house, garage, nonsmoking, available August. \$1,450 monthly. 481-6900.

**RENT** - Located on edge of University campus. One bedroom condominium, fully furnished. Available May through August, \$500/month. 492-7681/432-9559.

**SALE** - Riverbend! Ten minutes to University. Updated, 2,250 square feet, four bedrooms, den/family room on main, finished basement. \$196,900, double garage, new carpet. Liz Crockford, Spencer Realty, 435-0808, 434-0555.

**SALE** - Very special street! Riverbend, unique, contemporary, architect designed, two storey. Huge modern kitchen, pella windows, dens/family rooms, jacuzzi. Vendor transferring. View property! Liz Crockford, Spencer Realty, 435-0808, 434-0555.

**SALE** - Lansdowne, \$180,000. Near the ravine, three bedrooms, fireplace, open family room, berber carpet, 2 1/2 baths, south patio, recreation room. Anxious! Call Liz Crockford, Spencer Realty, 435-0808, 434-0555.

#### ACCOMMODATIONS WANTED

**EMPLOYED**, reliable, mature adult available to housesit. Phone L Wood, 496-8178.

**MATURE**, PhD candidate available to housesit. Phone Don Abbey, 783-2331.

**UNIVERSITY OF ALBERTA** medical resident, wife, and two children seek furnished house to rent in Belgravia or University area, 1 July. Nonsmokers, no pets. 437-2317.

#### GOODS FOR SALE

**CASH PAID FOR APPLIANCES**, 432-0272

"FAREWELL TO EARTH" Volume 1, 500 p. Arthur Davis. Available, University Bookstore, list \$45 Canadian or US. Library orders, \$22.50. Or write: Adamant Press, Adamant, Vermont 05640.

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#### MISCELLANEOUS

**BOOKKEEPER NEEDED** for Garneau tennis club. 1-2 hours/week, mid-April to October, remuneration. Further details, phone Ming, 463-0508.

**WINDERMERE, ENGLAND** - Take a year off. Be a companion for elderly, able gentlewoman; some light housekeeping, meal preparation; excellent pay and time off; driver's license. Katherine, after 7 pm, 433-0195.



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